

Title (en)

SYSTEM FOR MONITORING AND CONTROLLING EQUIPMENT LIFE DUE TO CORROSION DEGRADATION

Title (de)

SYSTEM ZUR ÜBERWACHUNG UND STEUERUNG DER LEBENSDAUER VON ANLAGEN AUFGRUND VON KORROSIONSSCHÄDEN

Title (fr)

SYSTÈME DE SURVEILLANCE ET DE CONTRÔLE DE LA DURÉE DE VIE D'UN ÉQUIPEMENT EN RAISON DE LA DÉGRADATION PAR CORROSION

Publication

EP 3447474 A3 20190515 (EN)

Application

EP 18179533 A 20180625

Priority

US 201715635875 A 20170628

Abstract (en)

[origin: US2019003954A1] A corrosion maintenance scheduling and implementation system and method measure one or more characteristics of corrosion in equipment before and after implementation of a corrosion remediation action, determine one or more of a change in the one or more characteristics of the corrosion between before and after implementation of the corrosion remediation action, one or more historical operational characteristics of the equipment, or one or more forthcoming operational characteristics of the equipment, and modify a schedule of the corrosion remediation action for the equipment based on one or more of the one or more characteristics of corrosion that are measured, the change in the one or more characteristics of the corrosion, the one or more historical operational characteristics of the equipment, and/or the one or more forthcoming operational characteristics of the equipment.

IPC 8 full level

G01N 17/00 (2006.01); **G05B 23/02** (2006.01)

CPC (source: CN EP US)

F01D 25/007 (2013.01 - EP US); **G01N 17/00** (2013.01 - CN EP US); **G01N 17/04** (2013.01 - US); **G05B 15/02** (2013.01 - US); **G05B 23/0254** (2013.01 - EP US); **F01D 21/003** (2013.01 - US); **F05D 2220/323** (2013.01 - US); **F05D 2260/80** (2013.01 - EP US); **F05D 2260/82** (2013.01 - EP US); **F05D 2260/95** (2013.01 - EP US); **G01M 15/14** (2013.01 - EP US)

Citation (search report)

- [X] WO 2016191166 A1 20161201 - SIKORSKY AIRCRAFT CORP [US]
- [I] WO 2014018288 A1 20140130 - LUNA INNOVATIONS INC [US]
- [I] EP 1353252 A2 20031015 - BOEING CO [US]
- [A] EP 3029275 A1 20160608 - ROLLS ROYCE CORP [US]

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

US 10724940 B2 20200728; **US 2019003954 A1 20190103**; CA 3008341 A1 20181228; CN 109142200 A 20190104; CN 109142200 B 20240109; EP 3447474 A2 20190227; EP 3447474 A3 20190515; EP 3447474 B1 20230315; EP 4194838 A1 20230614; SG 10201805550T A 20190130

DOCDB simple family (application)

US 201715635875 A 20170628; CA 3008341 A 20180614; CN 201810687382 A 20180628; EP 18179533 A 20180625; EP 23153820 A 20180625; SG 10201805550T A 20180627